

Converting Colors

CIELCh(82, 71.145, 133.700)

Have a look what the booklet for
CIELCh(82, 71.145, 133.700)
contains.

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Color

CIELCh(82, 71.264, 133.639)

Conversions

Conversions Part 1

Format	Color
Hex	88E266
RGB	136, 226, 102
RGB Percent	53%, 89%, 40%
CMY	0.4684, 0.1155, 0.6016
CMYK	0.40, 0.00, 0.55, 0.12
HSL	104°, 68%, 64%
HSV	104°, 55%, 88%
XYZ	39.5340, 60.2982, 22.0182
YIQ	184.9540, -13.8360, -57.6440

Conversions

Conversions Part 2

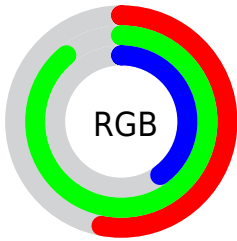
Format	Color
RYB	102, 226, 192
Decimal	8970854
CIELab	82.00, -49.18, 51.57
CIELCh	82, 71.264, 133.639
Yxy	60.2982, 0.3244, 0.4949
Android (android.graphics.Color)	4287160934 (0xFF88E266)
YUV	184.9540, -40.8963, -42.9327
Hunter-Lab	77.6519, -45.0132, 37.5447

Details

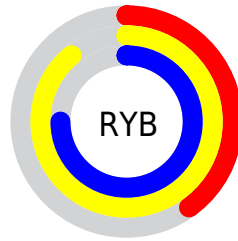
The CIELCh color **82, 71.264, 133.639** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 73.696, 318.785**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 54.813, 131.181**, and **62, 71.191, 133.617** is the 20% darker color. If you saturate the color by 10%, you get **81, 82.395, 133.164**, and if you desaturate by 10%, it is **83, 59.092, 134.208**.

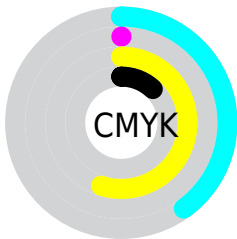
Distribution



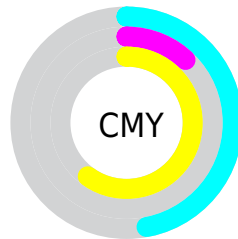
- Red (53%)
- Green (89%)
- Blue (40%)



- Red (40%)
- Yellow (89%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (55%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 71.264, 133.639 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 82, 71.264, 133.639 by changing the saturation by 10% instead.


 82, 71.264,
133.639


 82, 71.264,
133.639


 100, 71.264,
133.639


 72, 71.264,
133.639

 62, 71.264,
133.639

 52, 71.264,
133.639

 42, 71.264,
133.639

 32, 71.264,
133.639

 22, 71.264,
133.639

 12, 71.264,

133.639

■ 2, 71.264, 133.639

■ 0, 71.264, 133.639

■ 82, 71.264,
133.639

■ 82, 71.264,
133.639

■ 81, 82.395,
133.164

■ 83, 59.092,
134.208

■ 80, 91.964,
132.889

■ 84, 46.278,
134.795

■ 80, 99.394,
132.945

■ 86, 33.117,
135.361

■ 79, 104.266,
133.430

■ 87, 19.819,
135.885

■ 79, 105.960,

■ 89, 6.537, 136.372

133.756

■ 91, 6.619, 316.721

■ 92, 17.539,
320.408

■ 93, 18.413,
325.064

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82, 71.264, 133.639



58, 73.696, 318.785

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 71.264, 133.639



82, 71.264, 183.639



82, 71.264, 313.639



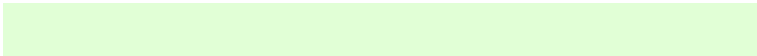
82, 71.264, 3.639

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



82, 71.265, 133.640



97, 23.421, 135.827



78, 48.988, 87.769



51, 15.821, 135.721



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 71.265, 133.640



90, 92.087, 133.107



81, 66.420, 145.921



46, 7.474, 136.155



63, 87.795, 133.561



17, 32.935, 134.382

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58, 73.696, 318.785



59, 95.474, 319.021



61, 66.049, 334.935



44, 7.529, 316.934



33, 90.214, 318.230



5, 35.007, 318.739

Previews

White Background



This preview shows how the CIELCh color 82, 71.264, 133.639 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 82, 71.264, 133.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 71.264, 133.639

Background



This preview shows how black text looks on a background with the CIELCh color 82, 71.264, 133.639.



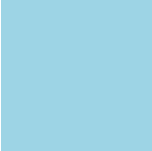
This preview shows how white text looks on a background with the CIELCh color 82, 71.264, 133.639.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
82, 19.605, 225.886

Trichromacy



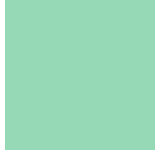
Original Color
82, 71.264, 133.639



Protanomaly
81, 58.049, 112.943



Deuteranomaly
81, 50.258, 104.686

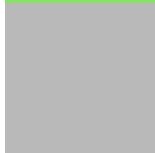


Tritanomaly
82, 30.219, 160.712

Monochromacy



Original Color
82, 71.264, 133.639



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 27.132, 135.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 71.264, 133.639 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 226, 102)` looks like.

```
.text, #text, p{  
    color:rgb(136, 226, 102)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 226, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 226, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 71.264, 133.639 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 226, 102) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(136, 226, 102) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(136, 226, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 226, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 226, 102);  
box-shadow:4px 4px 4px 4px rgb(136, 226,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 71.264, 133.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 226, 102) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136,  
226, 102) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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